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1938.



# ANNUAL REPORT

AND

## Vital Statistics

OF THE

### Rural District of Bucklow.

---

Medical Officer of Health:

**Arthur T. Blease,**

M.B., CH.B. VICT., M.R.C.S.E., L.R.C.P.L.,

Medical Officer of Health for the Rural District, and for the  
Urban District of Knutsford: Medical Adviser to the  
North Cheshire Joint Hospital Board; etc.

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Sanitary Inspector:

**John P. Kershaw, M.S.I.A., A.R.S.I.**



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# **PUBLIC HEALTH DEPARTMENT STAFF.**

---

## **Medical Officer of Health :**

ARTHUR T. BLEASE,  
M.B., CH.B. VICT., M.R.C.S.E., L.R.C.P.L.

## **Sanitary Inspector and Cleansing Supt. :**

JOHN P. KERSHAW,  
M.S.I.A., A.R.S.I.

## **Sanitary Inspector's Assistant :**

P. DARBYSHIRE.

## **Clerk-Typist :**

Miss E. DARBYSHIRE.

## **Part-time Health Visitor :**

(For Measles and Whooping Cough).

Mrs. ALEXANDER.

## STATISTICAL SUMMARY.

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Area of District in Acres, December 31st, 1938, 45,994.  
 Estimated Population, middle of year 1938, 9,277.  
 Number of inhabited houses, December 31st, 1938, 2787.  
 Number of Working Class Houses, December 31st, 1938, 1,535.  
 Number of Families or Separate Occupiers, December 31st, 1938, 2,756.  
 Rateable Value at April 1st, 1938, £59,838.  
 The estimated product of a Penny Rate on the Rateable Value for the year 1938—1939 was £240.  
 Birth Rate per 1,000 living, 14.6.  
 General Birth Rate (England and Wales), 15.1.  
 Death Rate per 1,000 living, 10.3  
 General Death Rate (England and Wales), 11.6  
 Number of women dying in, or in consequence of Child-birth, 1.  
 Number of women dying in, or in consequence of, Puerperal Fever, 0.  
 Deaths under 1 year in proportion to 1,000 Births, 51.  
 Deaths under 1 year in proportion to 1,000 Births throughout England and Wales, 53.  
 Deaths from Measles, 0.  
 Deaths from Whooping-Cough, 0  
 Deaths from Enteritis (under 2 years old), 0.  
 Deaths from Cancer, 11.  
 The Total number of Deaths from all causes was 102, of which 7 were children under 1 year old, and 60 were persons of over 65 years.

### Adoptive Acts :—

Infectious Diseases Prevention Act.

The Public Health (Amendment) Act, 1890, Part III.

The Public Health (Amendment) Act, 1907.

Sections 15, 16, 23, 50, 52 and 75, whole district.

Sections 34 to 47, Dunham Massey.

Sections 39, 40 and 41, Mobberley.

Sections 161 (1st paragraph) Ringway.

## PART II.—TABLES.

Table—I. Vital Statistics of Whole District during 1938 and Previous Years.

YEAR	Gross Population.	Nett Population estimated to Middle of each Year.	BIRTHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
					Under 1 Year of Age.	At all Ages.		
			Number	Rate	Number	Rate per 1000 Nett Births.		
1915	23486	22462	360	16.0	39	108	269	12.4
1916	23749	22316	331	14.8	26	78	243	11.2
1917	23749	22316	327	14.6	22	67	225	10.4
1918	For Birth-rate 22538		325	14.4	20	62	284	14.0
	For Death-rate 29219							
1919	For Birth-rate 24751		318	12.8	24	75	264	11.1
	For Death-rate 23761							
1920	24360	408	16.7	23	56	202	8.2	
1921	22240	337	15.1	18	53	226	10.1	
1922	22250	365	15.9	17	38	224	10.0	
1923	22250	283	12.7	16	56	213	9.5	
1924	22320	308	18.2	10	36	238	10.6	
1925	22330	282	12.6	18	64	216	9.6	
1926	22510	322	14.3	16	49	248	11.0	
1927	23150	310	13.3	19	61	257	11.1	
1928	24760	352	14.2	17	48	255	10.2	
1929	25010	328	13.1	14	45	286	11.4	
1930	29000	366	12.6	26	71	246	8.4	
1931	2880	312	14.2	19	60	229	10.4	
1932	20870	276	13.2	16	58	215	10.3	
1933	22310	279	12.4	15	53	216	9.6	
1934	24540	346	14.0	21	60	251	10.2	
1935	26170	354	13.5	10	28	269	10.2	
1936	13780   9367	209	15.2	8	38	166	11.7	
1937	9213	137	14.8	9	65	95	9.7	
1938	9277	136	14.6	7	51	102	10.3	

The Death Rate for 1938 is slightly reduced by operation of Registrar Generals "comparability factor" of 0.95.

TABLE II.  
Diseases Notified under Acts and Orders during 1938.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.	At Ages—Years.						TOTAL CASES REMOVED TO HOSPITAL.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	
Small-pox ...	...	...	...	...	...	...	...	...
Cholera—Plague ...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Group)	6	1	3	1	1	1	1	6
Erysipelas...	1	4	2	2	2	2	2	6
Scarlet Fever ...	6	...	...	...	...	...	...	...
Typhus Fever ...	...	...	...	...	...	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...
Cerebro-Spinal Meningitis ...	...	...	...	...	...	...	...	...
Poliomyelitis ...	...	...	...	...	...	...	...	...
Ophthalmia, Neonatorum ...	...	...	...	...	...	1	4	1
Pulmonary Tuberculosis...	6	...	...	...	...	1	1	...
Other forms of Tuberculosis	2	1	2	1	2	1	1	...
Pneumonia ...	5	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...
Totals ... ... ...	28	...	2	10	6	7	1	12

TABLE III.

Deaths Registered during the Calendar Year 1938 classified by age and cause.

CAUSES OF DEATH.	All Causes	{ Certified ... Uncertified	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or non-Residents" in Institutions in the District.
			All Ages	Under 1 year	1 & under 2 years	2 & under 5 years	5 & under 15 years	15 & under 25 years	25 & under 45 years	45 & under 65 years	65 & Up- wards	
Enteric Fever	...	...	102	7	1	1	1	1	1	1	1	13
Small-pox	...	...	0	0	0	0	0	0	0	0	0	0
Measles	...	...	0	0	0	0	0	0	0	0	0	0
Scarlet Fever	...	...	0	0	0	0	0	0	0	0	0	0
Whooping Cough	...	...	0	0	0	0	0	0	0	0	0	0
Diphtheria and Croup	...	...	0	0	0	0	0	0	0	0	0	0
Influenza	...	...	1	0	0	0	0	0	0	0	1	0
Erysipelas	...	...	0	0	0	0	0	0	0	0	0	0
Cerebro-spinal Fever	...	...	0	0	0	0	0	0	0	0	0	0
Phthisis (Pulmonary Tuberculosis)	...	...	1	0	0	0	0	0	0	0	1	0
Tuberculosis Meningitis	...	...	1	0	1	0	0	0	0	0	0	0
Other Tuberculous Diseases	...	...	0	0	0	0	0	0	0	0	0	0
Cancer, Malignant Disease	...	...	11	0	0	0	1	0	0	3	7	0
Diabetes	...	...	2	0	0	0	0	0	0	2	0	0
G.P.I. etc.	...	...	1	0	0	0	0	0	1	0	0	0
Rheumatic Fever	...	...	0	0	0	0	0	0	0	0	0	0
Meningitis	...	...	1	0	0	0	0	0	1	0	0	0
Organic Heart Disease	...	...	30	0	0	0	0	0	0	3	25	0
Other Circulatory Diseases	...	...	0	0	0	0	0	0	0	2	0	0
Bronchitis	...	...	4	0	0	0	0	0	0	2	2	0
Pneumonia (all forms)	...	...	7	1	0	0	0	0	0	3	3	2
Other Diseases of Respiratory Organs	...	...	2	0	0	0	0	0	0	0	2	0
Ulcer of Stomach and Duodenum	...	...	2	0	0	0	0	0	1	0	1	0
Diarrhoea and Enteritis (under 2 years)	...	...	0	0	0	0	0	0	0	0	0	0
Ditto (over 2 years)	...	...	0	0	0	0	0	0	0	0	0	0
Appendicitis and Typhlitis	...	...	0	0	0	0	0	0	0	0	0	0
Cirrhosis of Liver	...	...	1	0	0	0	0	0	0	0	1	0
Other Liver Diseases	...	...	1	0	0	0	0	0	0	0	1	0
Cerebral Haemorrhage	...	...	7	0	0	0	0	0	0	2	5	1
Alcoholism	...	...	0	0	0	0	0	0	0	0	0	0
Nephritis and Bright's Disease	...	...	4	0	0	0	0	0	0	2	2	0
Arterio-sclerosis	...	...	4	0	0	0	0	0	0	0	4	0
Puerperal Fever	...	...	0	0	0	0	0	0	0	0	0	0
Other Accidents and Diseases of Pregnancy and Parturition	...	...	1	0	0	0	0	0	1	0	0	0
Convulsions	...	...	1	1	0	0	0	0	0	0	0	0
Congenital Debility and Malformation, including Premature Birth and Injury at Birth	...	...	5	5	0	0	0	0	0	0	0	0
Violent Deaths, excluding Suicide	...	...	6	0	0	1	1	0	0	3	1	0
Suicide	...	...	1	0	0	0	0	0	0	1	0	0
Other Defined Diseases	...	...	8	0	0	1	0	0	2	0	5	9
Diseases ill-defined or unknown	...	...	0	0	0	0	0	0	0	0	0	0
Totals	...	...	102	7	1	1	1	2	8	21	60	13

## TABLE IV.

## Infant Mortality.

1938. Nett Deaths from stated causes at various Ages under  
1 Year of Age.

CAUSE OF DEATH			Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 4 Weeks		4 Weeks and under 3 Months		3 Months and under 6 Months		6 Months and under 9 Months		9 Months and under 12 Months		Total Deaths under 1 Year	
	All Causes	Certified	6				0											
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia (all forms) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
Atelectasis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformation ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	...	...	3	...	...	...	...	3	...	...	...	...	...	...	...	...	...	3
Atrophy, Debility, and Marasmus ...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Other Causes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Totals</b> ...	...	...	5	...	...	...	...	5	...	...	1	1	1	1	1	1	1	7

Nett Births registered | Legitimate 131 Nett Deaths registered | legitimate infants 7  
during the calendar year | Illegitimate 5 during the calendar year of | illegitimate infants 0  
Still-births | legitimate 6  
| illegitimate 0

**TABLE V. Notifications of Infectious Diseases.**

YEAR	Scarlatina	Diphtheria	Enteric Fever	Puerperal Fever	Erysipelas	Phthisis	Other Forms of Tuberculosis	TOTAL
1899	83	6	7	2	8			106
1900	79	8	6		3			96
1901	120	23	6		9			158
1902	46	37	6		9			102
1903	52	25	7		7			91
1904	79	27	2		6			117
1905	58	31	5		14			108
1906	75	17	5		8			106
1907	53	9	4		5			72
1908	65	25	2		10			104
1909	156	7	41		1			206
1910	94	14	6		8			123
1911	70	13	19		17	10		131
1912	28	6	2		5	32		74
1913	67	16	2		6	28		134
1914	119	6	1		6	25		173
1915	67	33	2		17	26	9	156
1916	34	22	4		4	21	13	95
1917	16	9	1		7	27	14	75
1918	29	18	1		9	22	4	85
1919	37	16	1		7	24	7	92
1920	87	23	2		11	19	6	148
1921	126	40	2		6	19	10	204
1922	76	58	2		3	11	10	162
1923	33	29	1		4	9	7	84
1924	32	19	1		7	18	14	91
1925	82	28	1		8	18	3	141
1926	79	51	1		7	15	8	160
1927	65	8	1		10	12	10	107
1928	45	21	1		9	17	8	100
1929	42	18	1		7	15	12	95
1930	63	21	1		12	18	8	123
1931	50	13	1		6	20	5	95
1932	25	8	3		8	13	4	63
1933	23	19	2		8	20	6	78
1934	37	24	3		10	18	15	108
1935	38	44	1		10	24	11	128
1936	47	12	2		7	5	3	74
1937	12	2	2		1	4	3	23
1938	6	6	2		1	6	2	21

TABLE VI.  
Deaths from Special Diseases.

YEAR	Measles	Scarlatina	Diphtheria	Whooping-cough	Enteric Fever	Diarrhoea	Puerperal Fever	Erysipelas	Phthisis	Other Forms of Tuberculosis
1899	1	1	2	7	3	16	2	1	29	6
1900	1	2	5	8	1	7	1	1	22	7
1901	1	1	4	8	2	8	1	1	15	3
1902	1	2	2	1	1	1	1	1	10	6
1903	1	4	4	6	1	1	1	1	18	5
1904	1	2	2	7	1	1	1	1	17	2
1905	1	5	5	7	1	1	1	1	12	5
1906	1	4	4	7	1	1	1	1	15	4
1907	2	1	1	7	1	1	1	1	10	4
1908	1	2	4	4	1	1	1	1	14	4
1909	1	3	1	1	1	1	1	1	9	3
1910	3	1	1	1	1	1	1	1	11	3
1911	1	1	1	7	1	1	1	1	13	3
1912	1	1	1	2	1	1	1	1	10	2
1913	1	3	1	1	1	1	1	1	13	2
1914	1	3	3	4	1	1	1	1	10	2
1915	1	1	3	3	1	1	1	1	14	2
1916	1	1	1	1	1	1	1	1	11	1
1917	1	1	4	1	1	1	1	1	12	1
1918	1	1	1	1	1	1	1	1	11	1
1919	1	1	3	1	1	1	1	1	13	1
1920	1	1	3	2	1	1	1	1	10	1
1921	1	1	2	2	1	1	1	1	10	1
1922	1	1	1	2	1	1	1	1	18	1
1923	1	1	4	1	1	1	1	1	11	1
1924	1	1	1	1	1	1	1	1	16	1
1925	2	1	1	1	1	1	1	1	5	1
1926	1	1	1	1	1	1	1	1	10	1
1927	1	1	1	1	1	1	1	1	8	1
1928	1	1	1	1	1	1	1	1	6	1
1929	1	1	1	1	1	1	1	1	9	1
1930	2	1	1	1	1	1	1	1	12	1
1931	1	1	1	1	1	1	1	1	7	1
1932	1	2	1	1	1	1	1	1	9	1
1933	1	1	1	1	1	1	1	1	4	1
1934	2	1	1	1	1	1	1	1	5	1
1935	1	1	2	1	1	1	1	1	9	1
1936	1	3	1	1	1	1	1	1	4	1
1937	1	1	1	1	1	1	1	1	3	1
1938	2	1	1	1	1	1	1	1	1	1

1 (d)

**TABLE VII.**  
**Number of Cases of Tuberculosis notified during the Year ended 31st December, 1938.**

Form A.	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upwards	TOTALS
(Primary Notifications)	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
Pulmonary	—	—	—	—	—	0	1	4	0	—	0	1
Non-Pulmonary	—	—	—	—	1	1	—	—	—	—	—	1

**COLUMN D. Transfers from other areas.**

Pulmonary	—	—	—	—	—	1	0	—	—	—	—	1	0
Non-Pulmonary	—	—	—	—	—	—	—	—	—	—	—	—	—

Notification is perfect. The register at the end of 1938 showed the following.

**Pulmonary Cases—**

Males	...	16	31
Females	...	15	31
<b>Non-Pulmonary Cases—</b>			44
Males	...	7	13
Females	...	6	13

During my period of office 75% of the mortality from tuberculosis has disappeared.

No persons suffering from tuberculosis were found to be engaged in food supply or distribution.

**TABLE VII A.**

(as requested by the Ministry of Health.)

Age Periods	NEW CASES				DEATHS			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
<b>Years</b>								
0...	...	...	...	...	...	...	...	...
1...	...	...	...	...	...	...	...	1
5...	...	...	...	...	1	1	...	...
15 ..	...	...	...	1	...	...	...	...
25 ..	...	...	4	...	...	...	...	...
35 ..	...	...	...	...	...	...	...	...
45 ..	...	...	...	...	...	1	...	...
55...	...	...	...	1	...	...	...	...
65 and upwards	...	...	...	...	...	...	...	...
<b>TOTALS ...</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>...</b>	<b>1</b>	<b>..</b>

**Infectious Diseases.**—Six cases of scarlet fever and six of diphtheria were notified. All were treated in hospital and for the second year in succession no deaths occurred from either of these diseases.

Neither were there any deaths from typhoid, small-pox, measles, whooping-cough, cerebro-spinal fever, acute poliomyelitis (infantile paralysis) or puerperal fever.

In view of an epidemic of typhoid in the south of England which was caused by infection of a water supply by a workman who was later found to be a typhoid carrier, I have had cards printed and distributed to contractors and others calling their attention to the precautions necessary in this connection.

Free immunization against diphtheria has been commenced as from January, 1939.

**Measles.**—No deaths have been due to measles. The Measles Visitors, past and present, have apparently succeeded in getting parents to consider the disease more seriously, and only 14 deaths have resulted from measles in the last 25 years. Hospital treatment for measles, except in very rare instances, is not used in this district, and is obviously not required.

**Whooping Cough.**—No serious epidemic—one death in the last 10 years compared with 16 in the previous 10 years.

**Cancer.**—The Manchester Hospitals provide the most modern facilities for the treatment of this disease.

**Puerperal Fever.**—None.

**Diphtheria.**—Diphtheria anti-toxin in 8,000 units phials is available, day and night, for practitioners who require it. Supplies are kept at the Altrincham Office (24 Station Buildings), at the residence of the Medical Officer of Health, and that of the Sanitary Inspector (Tel. No : Ringway, 3076). In the case of Doctors in the more remote parts of the District the Council continue to pay their chemists bills for anti-toxin.

**General Hospital Accommodation.**—With the general and special hospitals of Manchester, the Altrincham General Hospital and other smaller ones, the district is adequately supplied.

**Ambulance Facilities.**—These are adequate. Ambulances are not owned by the Council, but the Council pays when the sick or injured persons are unable to.

**Isolation Hospital Accommodation.**—This is adequate and unchanged. The Board through which the arrangements are made has been extended as regards area and continued under the title of the North Cheshire Joint Hospital Board.

**Laboratory Work.**—Diphtheria and typhoid specimens are as before examined at the Manchester Public Health Laboratory. Since January 1st, 1935, diphtheria swabs have been first examined by the microscopical method, the cultural method being also used where the result is negative microscopically.

**Pneumonia.**—Sputum from cases of lobar pneumonia and broncho-pneumonia (not due to measles, whooping-cough or the like) may be sent by practitioners to be "typed" by Dr. Jenkins at the Royal Hospital, Salford. In cases where it is found the disease is due to the Type I. pneumococcus, serum for intravenous injection may be obtained free from the same address as mentioned under "Diphtheria" for the supply of diphtheria anti-toxin.

The County Council Laboratory continues to examine sputum for tubercle bacilli. In 1938, ten positive and twenty-one negative specimens were reported on.

**Infantile Mortality.**—Maternity and Child Welfare work remains under the County Council. There were 136 births and 7 deaths.

**Maternity Mortality.**—One death due to pulmonary embolism.

# The Rural District of Bucklow.

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## PART III

### SANITARY CIRCUMSTANCES OF THE DISTRICT.

**Water Supply.**—The water supply scheme to the Parishes of Agden, Aston-by-Budworth, Bollington, High Legh, Millington, Tabley Inferior, Tabley Superior (part), and Mere (part) and the construction of the Water Tower in connection therewith and also the main extensions in the Parish of Warburton were completed during the year. With the exception of the Parish of Tatton which generally speaking consists of Tatton Hall and Tatton Park and the Parish of Rostherne adjoining the Council have now completed their schemes for the provision of a piped water supply to the whole of their district. Prior to the Council commencing operations for the supply of water to their area in general, statutory authorities who had the right of supply in certain Parishes had only laid some 21 miles of main in areas where the return justified the expenditure. An additional 98 miles of main have since been laid. Of this length the Council have laid 70 miles within their own area of supply and outside statutory authorities have laid 28 miles towards which the Council have made contributions to permit of the supply being afforded.

**Water Analysis.**—Eight samples of water have been submitted to the County Analyst for Analysis during the year from the following parishes :—

Agden	...	...	...	...	...	1
Ashley	...	...	...	...	...	1
Aston-by-Budworth	...	...	...	...	...	2
Dunham Massey	...	...	...	...	...	2
High Legh	...	...	...	...	...	1
Tabley Superior	...	...	...	...	...	1

Two were returned as satisfactory and six as unsatisfactory.

**Water Mains.**—During the year water mains were laid as follows :—

Agden, Aston-by-Budworth, Bollington,	41 miles.
High Legh, Millington, Tabley Inferior,	
Tabley Superior (part) and Mere (part)	
Warburton	7280 yards.
Partington...	71 "
Dunham Massey ...	61 "
Ringway ...	1403 "
Ashley ...	42 "
Mobberley...	119 "

**Rivers and Streams.**—The Inspection of rivers and streams and the taking of samples has been carried out as in the past years.

**Drainage.**—Six houses were completely re-drained during the year and amendments carried out to 10 others. The water test was applied in each case and all proved to be sound and tight before being passed.

**Closet Accommodation.**—The following is as close an estimate as possible of the different kinds of accommodation:— Water Closets, 1,313; Pail Closets, 920; Dry Ashpits, 120; Dustbins, 1644; Cesspools or Septic Tanks and Filters, 860; Privy Closets, 170.

**Sewage Disposal.**—The Lime Plant at the Dunham Massey Sewage Disposal Works referred to in last year's Report has been completed and has been found to be of beneficial assistance in neutralizing the iron content in the sewage at these Works.

Following negotiations in connection with the Compulsory Purchase Order with reference to land required for sewage disposal works in the Parish of Partington, the sanction of the Minister of Health has been received to advertise for tenders and it is anticipated that work will commence during the coming year.

**Housing.**—During the year a survey of the district has been undertaken to ascertain the number of houses likely to be required for agricultural workers under the Financial Provisions Act, 1938. A special Sub-Committee has been set up who are considering these returns with a view to the appropriate number of houses being erected. Negotiations are in hand for the purchase of a number of additional sites to permit the erection of the houses under the foregoing heading and also to provide for the remaining houses required to meet overcrowding and demolition needs.

14 houses in the Parish of Mobberley and 12 houses in the Parish of Partington were commenced during the year.

The houses already built by the Council are situate in the following parishes:—

Carrington ...	...	...	30
Partington ...	...	...	25
Mobberley ...	...	...	16
Warburton ...	...	...	6
		—	

**Town Planning.**—The Ministry of Health Inquiry was held during the year in connection with the North Cheshire Town Planning Draft Scheme and the observations of the Minister are awaited.

The Draft Scheme of the Mid-Cheshire (Area No. 3) Joint Town Planning Committee, in which the remaining parishes of the district are included, is expected to be adopted during the coming year.

**Ambulance Facilities.**—These are adequate. Ambulances are not owned by the Council, but the Council pays when the sick or injured persons are unable to.

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# The Rural District of Bucklow.

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## PART III

### SANITARY CIRCUMSTANCES OF THE DISTRICT.

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**Water Analysis.**—Eight samples of water have been submitted to the County Analyst for Analysis during the year from the following parishes :—

Agden	...	...	...	...	...	1
Ashley	...	...	...	...	...	1
Aston-by-Budworth	...	...	...	...	...	2
Dunham Massey	...	...	...	...	...	2
High Legh	...	...	...	...	...	1
Tabley Superior	...	...	...	...	...	1

Two were returned as satisfactory and six as unsatisfactory.

**Water Mains.**—During the year water mains were laid as follows :—

Agden, Aston-by-Budworth, Bollington, High Legh, Millington, Tabley Inferior, Tabley Superior (part) and Mere (part)	41 miles.
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Partington ...	...	...	25
Mobberley ...	...	...	16
Warburton ...	...	...	6
			—

**Town Planning.**—The Ministry of Health Inquiry was held during the year in connection with the North Cheshire Town Planning Draft Scheme and the observations of the Minister are awaited.

The Draft Scheme of the Mid-Cheshire (Area No. 3) Joint Town Planning Committee, in which the remaining parishes of the district are included, is expected to be adopted during the coming year.

## SANITARY INSPECTION OF THE AREA.

Particulars of inspections made and notices served are shown in the following table:—

Number and Nature of Inspections Made	Number	Number of Notices served		Result of Service of Notices			
		Statu- tory	Inform- al	Notices compli- ed with	Remain- ing in hand	Prosecutions	
		Institu- ted	Pend- ing			Insti- tuted	Pend- ing
1. Dwelling Houses (general inspections) ..	943	10	264	237	105	...	...
2. Water Supply ..	273	...	...	...	...	...	...
3. Schools ..	7	...	...	...	...	...	...
4. Tents, Vans, Sheds, &c. ..	3	...	...	...	...	...	...
5. Refuse Disposal ..	144	...	...	...	...	...	...
6. Privy-Middens, Earth or Pail Closets ..	116	...	...	...	...	...	...
7. Cesspools ..	...	...	...	...	...	...	...
8. House Drainage ..	75	...	...	...	...	...	...
9. Ditches, Watercourses, &c. ..	...	...	...	...	...	...	...
10. Offensive Accumulations ..	...	...	...	...	...	...	...
11. Offensive Trades ..	...	...	...	...	...	...	...
12. The keeping of Animals (P.H.A., 1885, S 91(3)) ..	...	...	...	...	...	...	...
13. (a) Slaughterhouses (Public) ..	133	...	...	...	...	...	...
, (Private) ..		...	...	...	...	...	...
(b) Other Places where Food is produced or sold ..	...	...	...	...	...	...	...
14. Piggeries ..	9	...	...	...	...	...	...
15. (a) Dairies ..	220	...	...	...	...	...	...
(b) Cowsheds ..		...	...	...	...	...	...
(c) Milkshops ..		...	...	...	...	...	...
16. (a) Factories ..	4	...	...	...	...	...	...
(b) Workshops ..		...	...	...	...	...	...
(c) Workplaces ..		...	...	...	...	...	...
(d) Outworkers' Premises ..		...	...	...	...	...	...
17. Bakehouses (Overground) ..	...	...	...	...	...	...	...
, (Underground) ..	...	...	...	...	...	...	...
18. *Common Lodging Houses ..	...	...	...	...	...	...	...
19. Houses let in Lodgings ..	...	...	...	...	...	...	...
20. Overcrowding ..	4	...	...	...	...	...	...
21. Smoke Observations ..	3	...	...	...	...	...	...
22. Canal Boats ..	...	...	...	...	...	...	...
23. Infectious Disease Inquiries and Re-visits ..	31	...	...	...	...	...	...
24. Miscellaneous ..	216	...	...	...	...	...	...
<b>Totals</b> ..	<b>2181</b>	<b>10</b>	<b>264</b>	<b>237</b>	<b>105</b>	...	...

# FACTORIES, WORKSHOPS AND WORKPLACES.

## 1. Inspection of Factories, Workshops and Workplaces.

Including Inspections made by Sanitary Inspectors.

PREMISES	Number of		
	Inspections	Written Notices	Prosecutions
<b>Factories</b> .. . . . .	4	0	0
(Including Factory Laundries)			
<b>Workshops</b> .. . . . .	0	0	0
(Including Workshop Laundries)			
<b>Workplaces</b> (other than Outworkers' premises)	0	0	0
<b>Total</b> .. . . .	4	0	0

## 2. Defects found in Factories, Workshops and Workplaces.

Particulars	Number of Defects			Number of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness .. . . .				
Want of ventilation .. . . .				
Overcrowding .. . . . .				
Want of drainage of floors .. . . .				
Other nuisances .. . . . .				
Sanitary accommodation	Insufficient .. . . .			
	Unsuitable or defective .. . .			
	Not separate for sexes .. .			
<i>Offences under the Factory and Workshop Acts :—</i>				
Illegal occupation of underground				
bakehouse (s. 101) .. . . .				
Other offences .. . . . .				
(Excluding offences relating to outwork and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921.)				
<b>Total</b> .. . . .				

\*Including those specified in Sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

## TABLE X.

## HOUSING STATISTICS, 1938.

Number of New Houses erected during the year :—

(a). Total (including numbers given separately under (b) )

(i) By the Local Authority .....	1
(ii) By other Authorities .....	6
(iii) By other bodies and persons .....	41

1. *Inspection of Dwelling-houses during the Year :*

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) .....	117
(b) Number of inspections made for the purpose .....	943
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925.....	69
(b) Number of inspections made for the purpose .....	784
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .....	—
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation .....	117

2. *Remedy of Defects during the Year without Service of formal Notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.....	234
--	-----

3. *Action under Statutory Powers during the Year :—*

## A.—Proceedings under Section 9, 10 and 16 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which notices were served requiring repairs .....	10
(2) Number of dwelling-houses which were rendered fit after service of formal notice :—	
(a) By owners .....	3
(b) By local authority in default of owners .....	0

## B. Proceedings under Public Health Acts :

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied .....	0
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By owners .....	0
(b) By local authority in default of owners .....	0

## C.—Proceedings under sections 11 and 13 of Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which Demolition Orders were made.....	0
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders.....	0

## D.—Proceedings under section 12 of the Housing Act, 1936 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made .....	—
Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .....	—

4. *Housing Act, 1936.—Part IV.—Overcrowding :—*

(a) (i) Number of dwellings overcrowded at the end of the year .....	22
(ii) Number of families dwelling therein .....	22
(iii) Number of persons dwelling therein .....	139
(b) Number of new cases of overcrowding reported during the year .....	1
(c) (i) Number of cases of overcrowding relieved during the year .....	4
(ii) Number of persons concerned in such cases .....	21

TABLE XI.

## Factories &amp; Workshops. Cow-keepers &amp; Milk-sellers.

TOWNSHIP.	Factories										Cow-keepers		Milk-sellers	
	Workshops		Domestic Workshops		TOTAL		Inspections Made		Defects Found		Out-workers			
Agden	1	1	1	1	1	1	1	1	1	1	4	4	4	4
Ashley	1	1	1	1	1	1	1	1	1	1	17	22	22	25
Aston-by-Budworth	1	1	1	1	1	1	1	1	1	1	22	25	25	25
Bexton	2	2	2	2	2	2	2	2	2	2	1	1	1	1
Bollington	8	8	8	8	8	8	8	8	8	8	7	9	9	9
Carrington	3	3	3	3	3	3	3	3	3	3	9	11	11	11
Dunham Massey	12	12	12	12	12	12	12	12	12	12	14	25	25	25
High Legh	4	4	4	4	4	4	4	4	4	4	33	47	47	47
Marthall	1	1	1	1	1	1	1	1	1	1	12	14	14	14
Mere	2	2	2	2	2	2	2	2	2	2	13	12	12	12
Millington	10	10	10	10	10	10	10	10	10	10	5	10	10	10
Mobberley	26	26	26	26	26	26	26	26	26	26	74	69	69	69
Ollerton	1	1	1	1	1	1	1	1	1	1	6	10	10	10
Partington	4	4	4	4	4	4	4	4	4	4	5	7	7	7
Peover Inferior	2	2	2	2	2	2	2	2	2	2	3	6	6	6
Peover Superior	3	3	3	3	3	3	3	3	3	3	36	31	31	31
Pickmere	3	3	3	3	3	3	3	3	3	3	14	17	17	17
Plumley	2	2	2	2	2	2	2	2	2	2	16	13	13	13
Ringway	1	1	1	1	1	1	1	1	1	1	9	16	16	16
Rostherne	1	1	1	1	1	1	1	1	1	1	4	7	7	7
Tabley Inferior	5	5	5	5	5	5	5	5	5	5	5	3	3	3
Tabley Superior	1	1	1	1	1	1	1	1	1	1	16	14	14	14
Tatton	2	2	2	2	2	2	2	2	2	2	7	5	5	5
Toft	1	1	1	1	1	1	1	1	1	1	15	3	3	3
Warburton	1	1	1	1	1	1	1	1	1	1	—	—	—	—
<b>TOTAL</b>	<b>36</b>	<b>50</b>	<b>22</b>	<b>108</b>	<b>72</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>337</b>	<b>381</b>	<b>381</b>	<b>381</b>

The following numbers are given for easy reference :—

Number of Dairies	...	...	...	...	...	381
"	Cowkeepers	...	...	...	...	337
"	Slaughterhouses	...	...	...	...	20
"	Milk Shops	...	...	...	...	4
"	Grocers' Shops	...	...	...	...	34
"	Butchers' Shops	...	...	...	...	8
"	Fish, Fruiterers and other Shops	...	...	...	...	20
"	Bakehouses	...	...	...	...	
"	Factories	...	...	...	...	108
"	Workshops	...	...	...	...	
"	Domestic Workshops	...	...	...	...	
"	Outworkers	...	...	...	...	0
Number of Water Closets	...	...	...	...	...	1313
"	Dustbins	...	...	...	...	1644
"	Dry-Ashpits	...	...	...	...	120
"	Middens	...	...	...	...	170
"	New Houses Built	...	...	...	...	48
"	Buildings converted into houses	...	...	...	...	—
"	Houses in District	...	...	...	...	2787
Estimated Population	...	...	...	...	...	9277
Average number of persons per house	...	...	...	...	...	3.3
Population at Census 1901	...	...	...	...	...	19850
Population at Census 1911	...	...	...	...	...	22870
Population at Census 1921	...	...	...	...	...	22149
Population at Census 1931	...	...	...	...	...	20114
Area of District in acres (exclusive of area covered by water)	...	...	...	...	...	45994

**Smoke Abatement.**—No complaints were received of the chimneys in the area during the year.

**Premises and Occupations which can be controlled by Bye-Laws or Regulations.**—No complaints were received about the Paint Works at Partington and no nuisance was noticed from them on visiting the parish. There are no byelaws in force in the district as to tents, vans, sheds, etc. There are no underground sleeping rooms in the district.

**Shops and Offices.**—No action has been found necessary during the year.

**Camping Sites.**—Six camping sites were in use in the area during the summer months and 6 Licences were issued under Section 269 of Public Health Act, 1936. The Licences were for land to accommodate a maximum of 239 tents.

**Swimming Baths and Pools.**—There is one privately owned Bathing Pool in the area and every endeavour is made to keep the water in a satisfactory condition. Regular inspections have been made during the season.

**Eradication of Bed Bugs.**—No action has been necessary.

**Other Sanitary Conditions Requiring Notice.**—There does not appear to have been any important matters of sanitary environment which have required special attention.

**Removal and Disposal of Refuse.**—This work has been carried out regularly in the parishes of Dunham Massey, Mobberley, Partington, Ashley, Ringway, Carrington, Warburton, Tabley, Mere, Millington, Toft, Bollington, Peover, Ollerton, Plumley, High Legh, Pickmere and Agden.

- (a) Dry Refuse is collected into covered lorries and tipped straight from the dustbin into the lorry. Where the refuse is in dry ash pits it is loaded straight into the lorry or put into collecting tins and then transferred to the lorry.
- (b) Refuse from earth closets and privies is loaded direct into collecting tins and these tins are then put into the lorries.
- No refuse is deposited on the ground or in passages in any case.
- (c) Dry refuse is deposited in tips which are properly covered as the work proceeds.
- (d) House refuse from earth closets and privies is disposed of to farmers.
- (e and f) The Council has not undertaken the cleansing of cesspools.

The collection of refuse is carried out by means of two Bedford Lorries, one being a 3-ton vehicle and the other a 30-cwt. vehicle. The larger vehicle continues to give satisfaction but it is hoped that the smaller will be replaced at an early date.

The following tables show the work done during the year ended December 31st, 1938, also the total work done during the financial year ended 31st March, 1939, and the cost of the same :—

	Houses Visited	Dry Ashpits Cleared	Dust Bins Emp'ied	Middens Emptied	Pails Emptied	Loads Removed
Dunham Massey	6838	—	7329	7	1181	87 $\frac{1}{4}$
Mobberley	19455	207	15903	129	10122	265 $\frac{3}{4}$
Partington	9865	15	8174	366	4393	142 $\frac{1}{4}$
Ashley	2672	—	2672	168	1729	55 $\frac{1}{2}$
Ringway	1548	—	1575	28	1185	13 $\frac{3}{4}$
Carrington	5440	10	4899	16	2642	57
Warburton	2345	—	2485	—	1449	38 $\frac{3}{4}$
Bollington	1866	—	1742	50	2048	44
Peover	5696	2	5001	32	5067	85 $\frac{1}{4}$
Tabley	2431	—	2581	—	2509	40 $\frac{3}{4}$
Mere	6971	—	9073	—	2269	160 $\frac{1}{4}$
Ollerton	2043	—	1632	—	1312	26
Plumley	3082	—	3205	—	1055	45
Pickmere	3397	2	3514	1	3635	79 $\frac{1}{4}$
Millington	1130	—	1129	—	1011	19 $\frac{1}{4}$
High Legh	5538	—	4751	—	4323	93 $\frac{1}{2}$
Agden	364	—	411	—	197	13 $\frac{1}{2}$
<b>Totals</b>	<b>80681</b>	<b>236</b>	<b>76076</b>	<b>797</b>	<b>46127</b>	<b>1267</b>
Year ending 31st March, 1939	82070	226	78207	764	47059	1280 $\frac{1}{4}$

**COST OF REFUSE COLLECTION AND DISPOSAL  
DURING THE YEAR ENDED MARCH 31st, 1939.**

(Subject to Accounts)

						£
Wages of Workmen	...	...	...	...	1047	
National Health Insurances	...	...	...	...	22	
National Unemployment Insurances	...	...	...	...	12	
Superannuation	...	...	...	...	17	
Motor Insurances	...	...	...	...	17	
Motor Licences	...	...	...	...	55	
Motor Repairs and Renewals	...	...	...	...	34	
Petrol and Oil	...	...	...	...	291	
Water Rate	...	...	...	...	3	
Schedule "A" Taxes	...	...	...	...	12	
Plant Renewals	...	...	...	...	7	
Disinfectants	...	...	...	...	16	
Repairs and Renewals at Depot	...	...	...	...	43	
Rents of Tips and Garage	...	...	...	...	44	
Rates of Tips and Garage	...	...	...	...	11	
Printing and Stationery	...	...	...	...	—	
Interest and Repayment of Loan on Garage	...	...	...	...	7	
Employers' Liability Insurance	...	...	...	...	9	
Rats Destruction	...	...	...	...	8	
Lorry Hire	...	...	...	...	2	
					1657	
LESS Credit :—						
Petrol & Oil to other Authorities	...	...	...	144		
Rent of Garage...	...	...	...	32		
Contribution towards Repairs	...	...	...	21		
				—	197	
					£1,460	

**Building Plans.**—During the year 110 plans were submitted and received the consideration of the Health and Plans Committee. Of these 102 related to Buildings, and 8 Preliminary Lay-outs. On first submission 72 plans were approved and 38 disapproved. Summarised as under:—

Dwelling-houses	...	...	...	73
Cafe	...	...	...	1
Additions and Alterations	...	...	...	32
Farm Buildings	...	...	...	7
New Streets	...	...	...	2
Preliminary Lay-outs	...	...	...	8
Garages (Wood)	...	...	...	10
Garages (Brick)	...	...	...	8
Electric Sub-Stations	...	...	...	2

48 dwelling-houses were completed for occupation during the year.

**Inspections of New Buildings, Drains, etc.**—During the year 1142 inspections of new buildings, streets and drains thereto were made.

**Licences.**—The following licences were issued during the year:—

Pickmere.					
Pleasure Boats	...	...	...	...	92
Boatmen	...	...	...	...	9
Petrol	...	...	...	...	47
Carbide of Calcium	...	...	...	...	1

**Public Lighting.**—The following are the number of lamps lighted in the various townships.

Partington	...	...	...	...	18
Ashley	...	...	...	...	1

**Schools.**—The Schools are frequently visited and always disinfected by the Council's staff after closure for any infectious disease.

During the year, as a result of a Report received from the County Medical Officer, a Survey of all the Schools was commenced by the Sanitary Inspector and myself but, at the time of writing, the same is not completed.

**Rag Flock Acts, 1911 and 1928**—There are no premises in the district on which rag flock is manufactured, used or sold.

## INSPECTION AND SUPERVISION OF FOOD.

**(A) Milk Supply.**—Inspections of dairies, cowsheds and milk-shops have been carried out as in previous years. Many improvements have been carried out during the year. Special attention has been paid to the cows, milkers, vessels and premises generally with a view to the provisions of the Milk and Dairies Order, 1926, being strictly carried out.

Samples submitted for biological examination were taken by the County Council.

Tuberculosis Cows were dealt with by Ministry of Agriculture Veterinary Staff.

**(B) Meat and Other Foods.**—Meat inspection has been carried out and a great number of inspections made after notices have been given under the Public Health Meat Regulations, 1924, as shown in the following table:—

### Carcasses Inspected and Condemned.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number Inspected ... ..	26	...	...	53	317
All Diseases except Tuberculosis Whole carcases condemned	1	..	..	...	1
Carcasses of which some part or organ was condemned ...	1	..	...	...	2
Percentage of the number inspected affected with disease other than Tuber- culosis ... ... ..	0·77%	...	...	...	0·09%
Tuberculosis only Whole carcases condemned		...	..	...	...
Carcasses of which some part or organ was condemned ...	1	..	...	...	19
Percentage of the number inspected affected with Tuberculosis ... ..	0·38%	...	...	...	0·59%

(C) **Adulteration, etc.**—The work under the various Acts and Regulations, is carried out by the County Council.

**Rainfall.**—The following is a table of the monthly total of rainfall from a guage fixed at Dunham Sewage Disposal Works giving the full total for the year :—

Month.	Inches of Rain.		Number of Days on which Rain Fell.
January	3.57	...	25
February	1.12	...	11
March	0.94	...	12
April	0.30	...	3
May	3.26	...	15
June	3.12	...	22
July	4.73	...	23
August	3.12	...	18
September	1.43	...	19
October	5.18	...	20
November	4.22	...	22
December	3.38	...	21
	<hr/>		<hr/>
	34.37		211
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I wish to thank Mr. Kershaw, the Sanitary Inspector, for help in preparing this report and to express my appreciation of the quality and excellence of his work during the year. Thanks are also due to Mr. Shaw, the Engineer and Surveyor, and to Mr. Sweet, the Finance and Rating Officer, for information supplied.

**ARTHUR T. BLEASE,**

M.B., Ch.B., M.R.C.S., Eng., L.R.C.P., Lond.



